Matti Kurkela

List of Publications by Year
in descending order

26	504	758635 12	713013 21
papers	citations	h-index	g-index

27	27	27	535
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comparison of the Selected State-Of-The-Art 3D Indoor Scanning and Point Cloud Generation Methods. Remote Sensing, 2017, 9, 796.	1.8	141
2	Determining Characteristic Vegetation Areas by Terrestrial Laser Scanning for Floodplain Flow Modeling. Water (Switzerland), 2015, 7, 420-437.	1.2	44
3	Data Processing and Quality Evaluation of a Boat-Based Mobile Laser Scanning System. Sensors, 2013, 13, 12497-12515.	2.1	34
4	Modern empirical and modelling study approaches in fluvial geomorphology to elucidate sub-bend-scale meander dynamics. Progress in Physical Geography, 2017, 41, 533-569.	1.4	32
5	Mobile laser scanning in fluvial geomorphology: mapping and change detection of point bars. Zeitschrift FÃ¼r Geomorphologie, 2011, 55, 31-50.	0.3	30
6	3D Modeling of Coarse Fluvial Sediments Based on Mobile Laser Scanning Data. Remote Sensing, 2013, 5, 4571-4592.	1.8	25
7	Tutorial: Road Lighting for Efficient and Safe Traffic Environments. LEUKOS - Journal of Illuminating Engineering Society of North America, 2017, 13, 223-241.	1.5	25
8	Luminance-Corrected 3D Point Clouds for Road and Street Environments. Remote Sensing, 2015, 7, 11389-11402.	1.8	24
9	Automated Multi-Sensor 3D Reconstruction for the Web. ISPRS International Journal of Geo-Information, 2019, 8, 221.	1.4	18
10	Target detection distances under different road lighting intensities. European Transport Research Review, 2017, 9, .	2.3	15
11	Depth camera indoor mapping for 3D virtual radio play. Photogrammetric Record, 2018, 33, 171-195.	0.4	15
12	Evaluating the Quality of TLS Point Cloud Colorization. Remote Sensing, 2020, 12, 2748.	1.8	14
13	Impacts of Room Structure Models on the Accuracy of 60ÂGHz Indoor Radio Propagation Prediction. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 1137-1140.	2.4	13
14	Rapid Prototyping â€" A Tool for Presenting 3-Dimensional Digital Models Produced by Terrestrial Laser Scanning. ISPRS International Journal of Geo-Information, 2014, 3, 871-890.	1.4	11
15	Camera preparation and performance for 3D luminance mapping of road environments. The Photogrammetric Journal of Finland, 2017, 25, 1-23.	0.5	8
16	Automated image-based reconstruction of building interiors â€" a case study. The Photogrammetric Journal of Finland, 2014, 24, 1-13.	0.5	8
17	Customized Visualizations of Urban Infill Development Scenarios for Local Stakeholders. Journal of Building Construction and Planning Research, 2015, 03, 68-81.	0.6	8
18	Calculation of Mesopic Luminance Using per Pixel S/P Ratios Measured with Digital Imaging. LEUKOS - Journal of Illuminating Engineering Society of North America, 2019, 15, 309-317.	1.5	7

#	Article	IF	Citations
19	Applying photogrammetry to reconstruct 3D luminance point clouds of indoor environments. Architectural Engineering and Design Management, 2022, 18, 56-72.	1.2	7
20	70 GHz radio wave propagation prediction in a large office. , 2014, , .		6
21	The feasibility of using a low-cost depth camera for 3D scanning in mass customization. Open Engineering, 2019, 9, 450-458.	0.7	5
22	Browser based 3D for the built environment. Nordic Journal of Surveying and Real Estate Research, 2018, 13, 54-76.	0.8	5
23	Radial Distortion from Epipolar Constraint for Rectilinear Cameras. Journal of Imaging, 2017, 3, 8.	1.7	3
24	Nighttime Mobile Laser Scanning and 3D Luminance Measurement: Verifying the Outcome of Roadside Tree Pruning with Mobile Measurement of the Road Environment. ISPRS International Journal of Geo-Information, 2020, 9, 455.	1.4	3
25	Utilizing a Terrestrial Laser Scanner for 3D Luminance Measurement of Indoor Environments. Journal of Imaging, 2021, 7, 85.	1.7	2
26	Performance Assessment of Reference Modelling Methods for Defect Evaluation in Asphalt Concrete. Sensors, 2021, 21, 8190.	2.1	1